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425-415-6620
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Attorney Docket No.: MVIS 02-24

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

POST-FILING TRANSMITTAL AND FEE TRANSMITTAL

Inventor: Jun Yan, Vincenzo Casasanta III, Selso H. Luanava, Hakan Urey, Frank A DeWitt IV, Clarence T. Tegreene

For: MEMS DRIVE STRUCTURES

Appln. No.: 10/700,279

Filing Date: November 3, 2003

ENCLOSURES

- ☐ An Amendment / A response / A preliminary Amendment.
- ☐ Sheets of Drawings (Figs.).
- ☐ A Declaration under 37 C.F.R. § 1.132 / A Supplemental Declaration.
- ☐ A Terminal Disclaimer.
- ☐ A Petition for Extension of Time.
- ☒ An Information Disclosure Statement, Form PTO-1449, and Copies of Citations.
- ☐ A Petition to the Director.
- ☐ A Notice of Appeal / Appeal Brief.

SMALL ENTITY FEE CALCULATION

Claims:

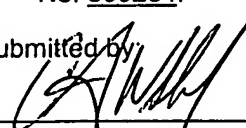
	Number Remaining	Number Paid For	=	Extra	x	Surcharge	=	
Total Claims	20	- 20	=	0	x	\$9	=	\$0
Independent Claims	3	- 3	=	0	x	\$42	=	\$0
Multiple Dependent Claims	0			0				\$0
Terminal Disclaimer								\$0
Petition for Extension of Time								\$0
Information Disclosure Statement								\$180
Petition to Director								\$0

Total Fee Enclosed \$180

METHOD OF PAYMENT

- ☒ Payment enclosed ☒ Check ☐ Money Order ☐ Other
- ☒ The Director is hereby authorized to
- ☐ Charge indicated fees and credit any over payments to Deposit Account No. _____
 - ☒ Charge any additional fees required under 37 C.F.R. §§ 1.16 and 1.17 to Deposit Account No. 500284.

Submitted by:



Christopher A. Wiklof
Reg. No. 43,990

1/8/2004

Date



PATENT

Hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jan. 8, 2004

Date

Betsy Best-Spadaro

Betsy Best-Spadaro

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Jun Yan, Vincenzo Casasanta III, Selso H. Luanava, Hakan
Urey, Frank A. DeWitt IV, Clarence T. Tegreene
Application No. : 10/700,279
Filed : November 3, 2003
For : MEMS DRIVE STRUCTURES

Examiner : To be assigned
Art Unit : To be assigned
Docket No. : MVIS 02-24
Date : January 8, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Copies of the listed documents are attached.

The referenced document WO025170A1: MICROMECHANICAL COMPONENT COMPRISING AN OSCILLATING BODY of Schenk et al. is written in German. In accordance with 37 CFR 1.98(a)(3)(i), this information disclosure statement requires a concise explanation of the relevance, as it is presently understood by the

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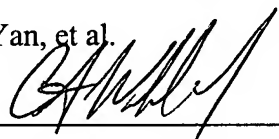
individual designated in 37 CFR 1.56(c) most knowledgeable about the content of each patent or publication listed that is not in the English language. Concise explanation: The document pertains to MEMS devices including a comb drive actuator such as a push-pull type.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Jun Yan, et al.



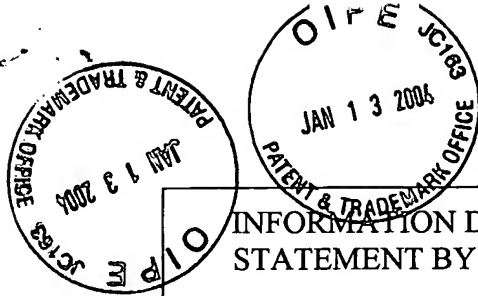
Christopher A. Wiklof
Registration No. 43,990

CAW:bbs

Enclosures:

- Check
- Postcard
- Form PTO-1449 (substitute), Cited References (7)
- Post Filing and Fee Transmittal Form

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Page 1 of 2	Application Number	10/700,279
	Filing Date	November 3, 2003
	First Named Inventor	Jun Yan
	Group Art Unit	To be Assigned
	Examiner Name	To be assigned
	Attorney Docket Number	MVIS 02-24

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	5,467,104	Furness, et al.	12/14/1995
	5,557,444	Melville, et al.	09/17/1996
	5,629,790	Neukermans, et al.	05/13/1997
	5,648,618	Neukermans, et al.	07/15/1997
	5,694,237	Melville	12/02/1997
	5,701,132	Kollin, et al.	12/23/1997
	5,767,666	Asada, et al.	06/16/1998
	5,867,297	Kiang, et al.	02/02/1999
	5,912,608	Asada	06/15/1999
	6,140,979	Gerhard, et al	10/31/2000

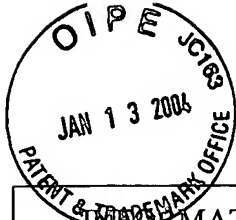
FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
	WO025170 A1	PCT	02/22/2003	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CONANT, NEE, LAU and MULLER, "A Fast Flat Scanning Micromirror," 2000 Solid-State Sensor and Actuator Workshop, Hilton Head, SC, June 2000, pp.6-9
	CONANT, NEE, LAU and MULLER, "Dynamic Deformation of Scanning Micromirrors," presented at IEEE/LEOS Optical MEMS 2000, Kauai, Hawaii, August 2000

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/700,279
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Page 2 of 2	Attorney Docket Number	MVIS 02-24

U.S. PATENT DOCUMENTS			
Examiner Initials	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	6,245,590	Wine, et al	06/12/2001
	6,285,489	Helsel, et al.	09/04/2001
	6,595,055	Schenk, et al.	07/22/2003

FOREIGN PATENT DOCUMENTS				
Examiner Initials	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	UREY, DEWITT, LOPEZ, TAUSCHER, "MEMS Sinusoidal Raster Correction Scanner for SXGA Retinal Scanning /display," MOEMS Display and Imaging Systems, Proc. SPIE Vol. 4985, San Jose, CA, Jan. 2003
	UREY, DEWITT, POWELL, BAYER, "High-Frequency Raster Pinch correction Scanner for Retinal Scanning Displays," MOEMS and Miniaturized Systems, SPIE Vol. 4561, San Francisco, CA, October 2001
	ASADA, et al. "Silicon Micromachined Two-Dimensional Glavano Optical Scanner," IEEE Transactions on Magnetics, Vol. 30, No. 6, 4647-4649, November 1994
	KIANG, et al., "Micromachined Microscanner for Optical Scanning," SPIE proceedings on Miniaturized Systems with Micro-Optics and Micromachines II, vol 3008, Feb. 1997, pp. 82-90

Examiner Signature		Date Considered	
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